

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064807.D
 Acq On : 24 Nov 2020 13:50
 Operator : JC/MD
 Sample : L4829-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Manual Integrations
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 11/25/2020 3:57:17 PM

Quant Time: Nov 25 04:52:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	184351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	323705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105476	49.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.42%
35) Dibromofluoromethane	7.55	113	97734	50.46	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.92%
50) Toluene-d8	10.06	98	404466	51.11	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.22%
62) 4-Bromofluorobenzene	12.37	95	169650	59.90	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	119.80%

Target Compounds

						Qvalue
4) Vinyl Chloride	2.17	62	1533	0.708	ug/l #	87
16) Acetone	3.77	43	36389	51.650	ug/l #	65
25) 2-Butanone	6.80	43	10586m	9.269	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	3381	1.514	ug/l	86
31) Cyclohexane	7.61	56	90796	30.396	ug/l	93
39) Methylcyclohexane	9.05	83	118983	36.837	ug/l	100
40) Benzene	8.00	78	680376	73.999	ug/l	99
52) Toluene	10.12	92	24159	4.267	ug/l	97
64) Tetrachloroethene	10.60	164	2233	0.684	ug/l	91
67) Ethyl Benzene	11.48	91	479822	39.869	ug/l	100
68) m/p-Xylenes	11.60	106	228089	50.057	ug/l	100
69) o-Xylene	11.92	106	9581	2.216	ug/l	97
73) Isopropylbenzene	12.22	105	252361	21.499	ug/l	100
78) n-propylbenzene	12.56	91	504308	37.714	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	53405	5.474	ug/l	100
83) tert-Butylbenzene	12.96	119	4874	0.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	653069	66.203	ug/l	99
85) sec-Butylbenzene	13.14	105	41275	3.801	ug/l #	59
86) p-Isopropyltoluene	13.26	119	10341	1.046	ug/l #	77
89) n-Butylbenzene	13.59	91	64340	7.411	ug/l #	73
95) Naphthalene	15.10	128	523097	51.128	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

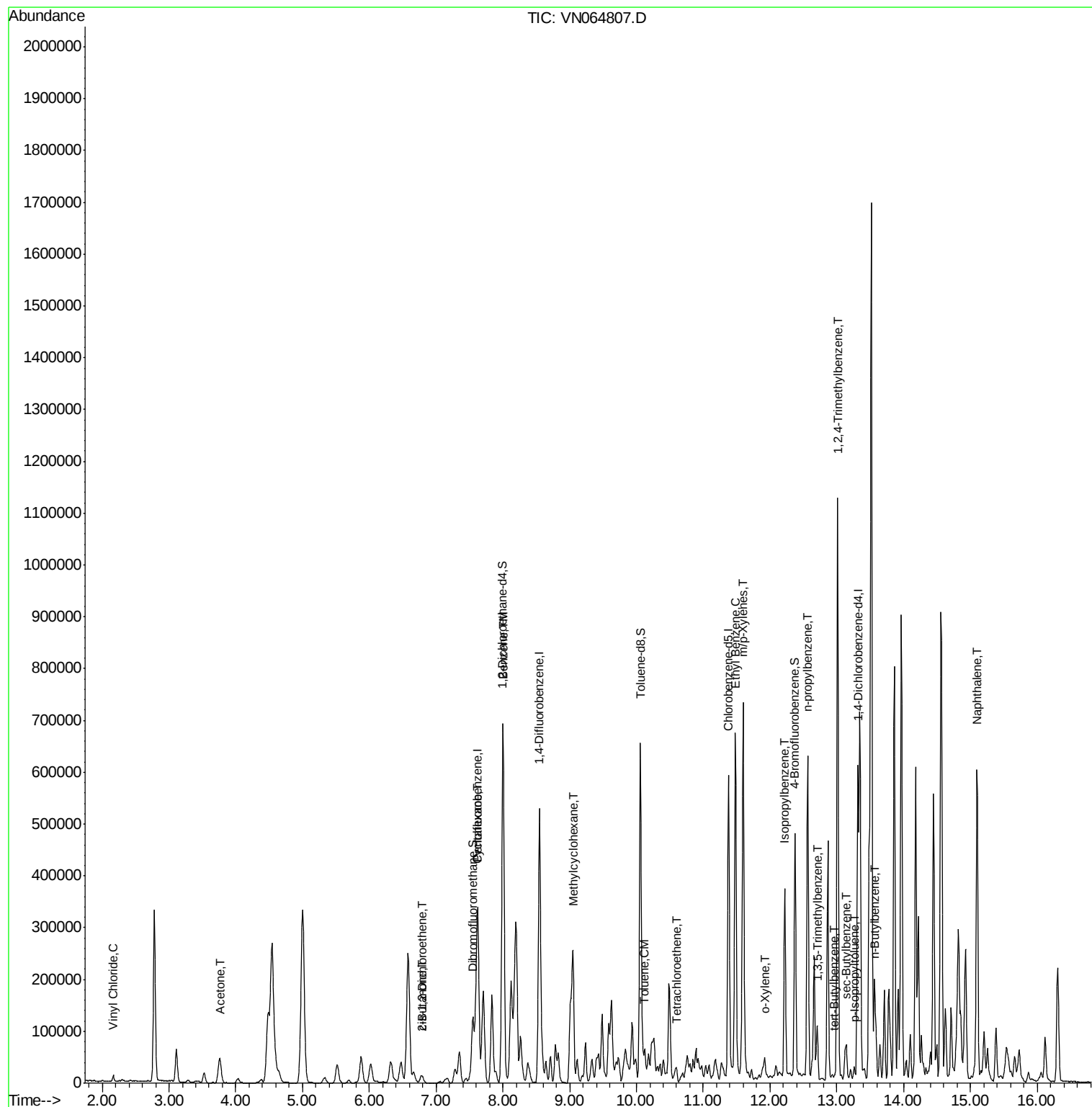
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112420\
Data File : VN064807.D
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ALS Vial : 11 Sample Multiplier: 1

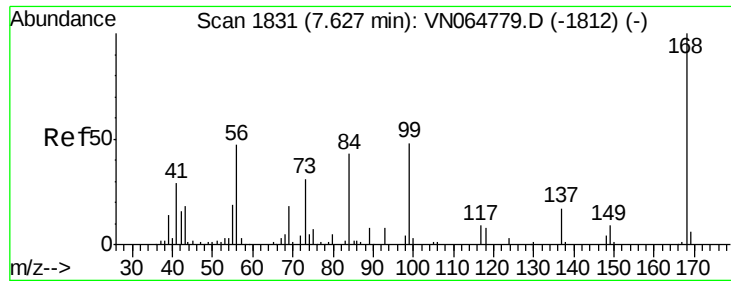
Instrument :
MSVOA_N
ClientSampleId :
MW-2

Quant Time: Nov 25 04:52:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

MW-2

Tot Ion:168 Resp: 184351

Ion Ratio Lower Upper

168 100

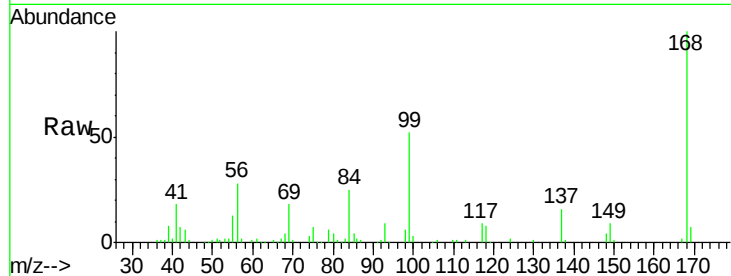
99 52.5 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

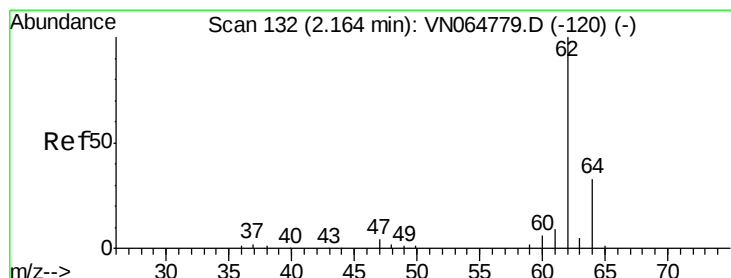
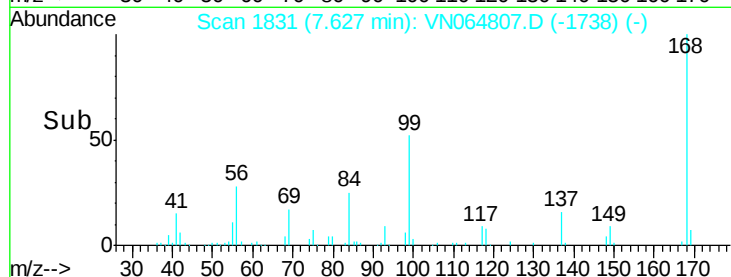
40000

20000

0

7.50 7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 0.708 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064807.D

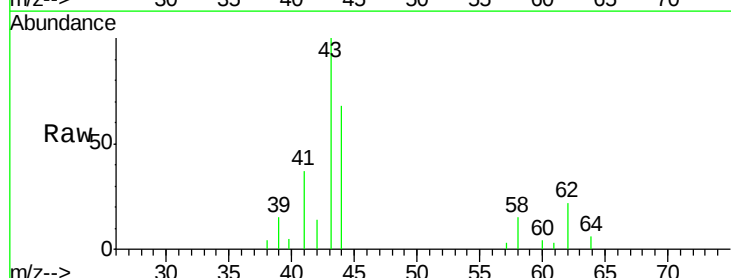
Acq: 24 Nov 2020 13:50

Tgt Ion: 62 Resp: 1533

Ion Ratio Lower Upper

62 100

64 25.6 26.5 39.7#



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.17

1200

1000

800

600

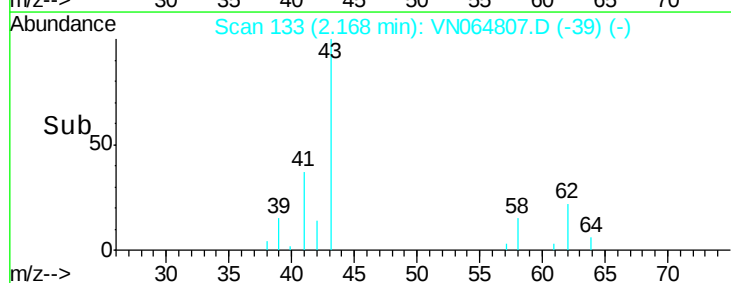
400

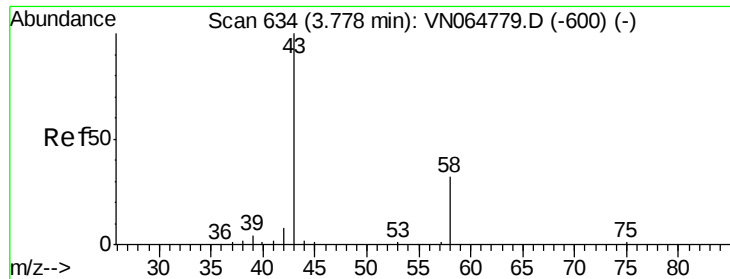
200

0

2.14 2.16 2.18 2.20

Time-->





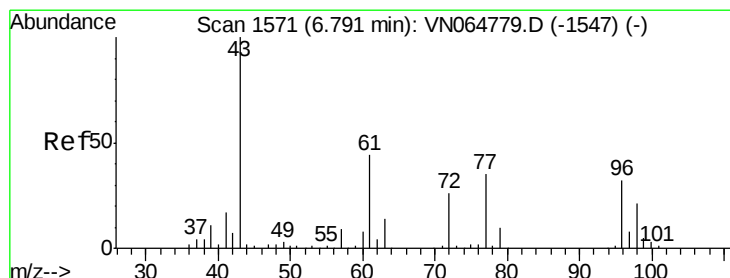
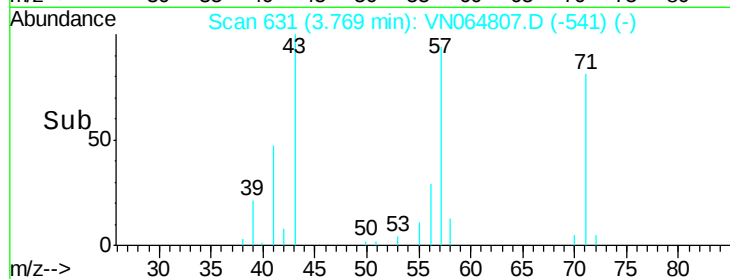
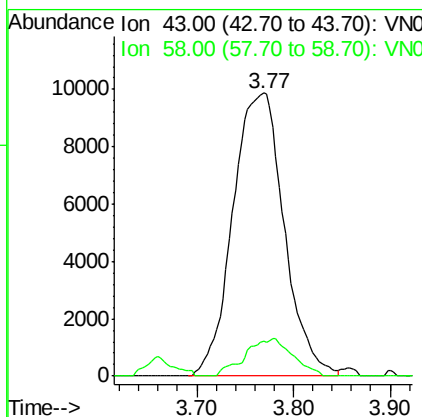
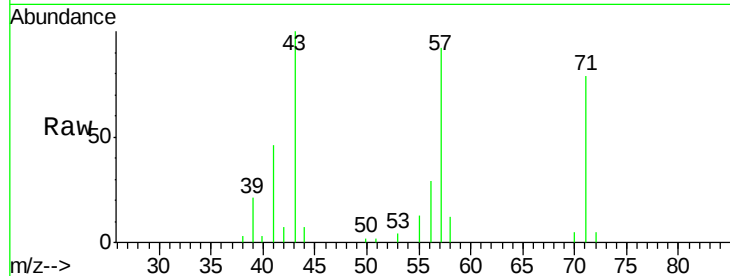
#16
Acetone
Concen: 51.650 ug/l
RT: 3.77 min Scan# 631
Delta R.T. -0.01 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion: 43 Resp: 36389
Ion Ratio Lower Upper
43 100
58 12.4 25.7 38.5#

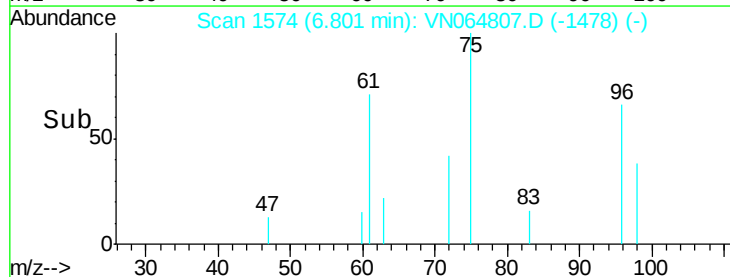
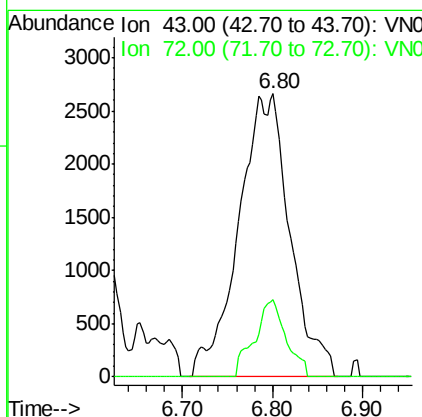
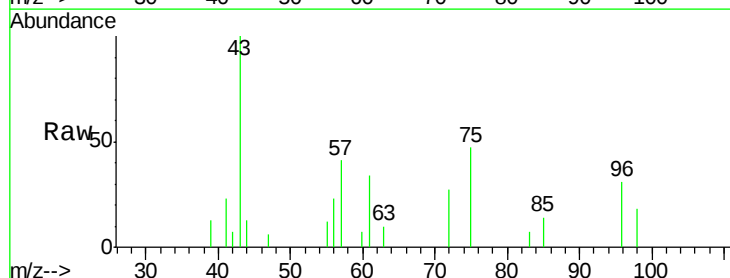
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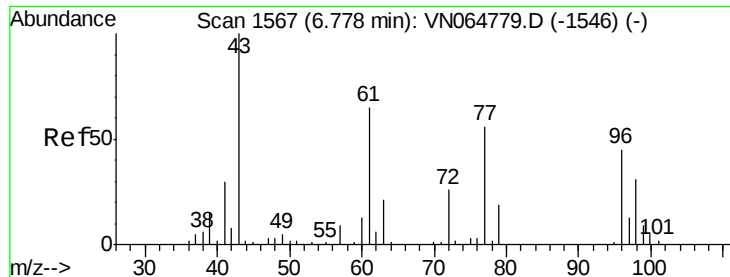
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#25
2-Butanone
Concen: 9.269 ug/l m
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion: 43 Resp: 10586
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6





#27

cis-1,2-Dichloroethene

Concen: 1.514 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Instrument :

MSVOA_N

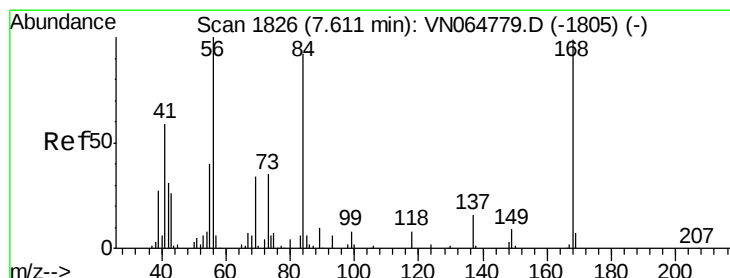
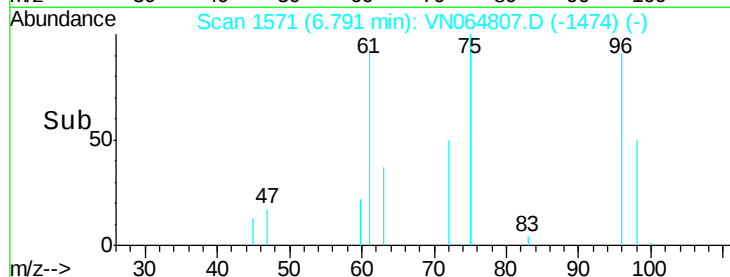
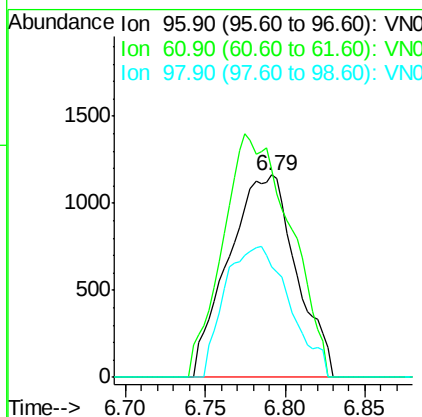
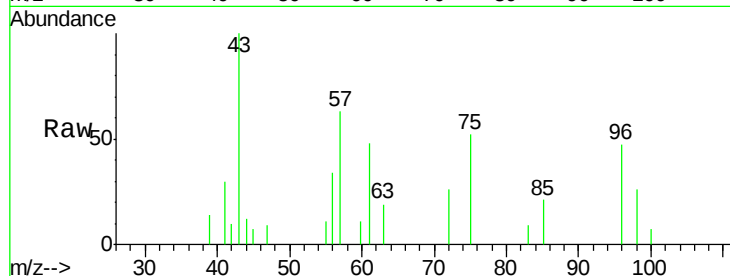
ClientSampled :

MW-2

Tot Ion:	96	Resp:	3381
Ion	Ratio	Lower	Upper
96	100		
61	120.1	0.0	285.8
98	61.7	0.0	130.6

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#31

Cyclohexane

Concen: 30.396 ug/l

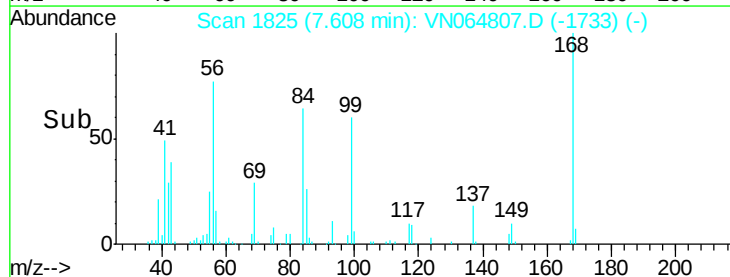
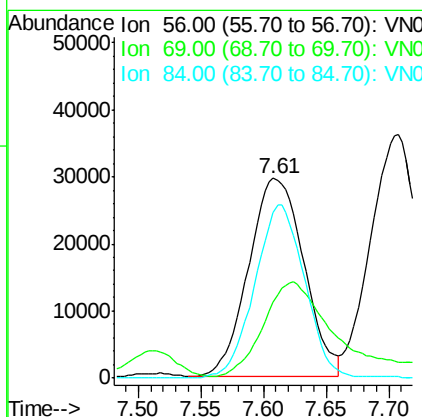
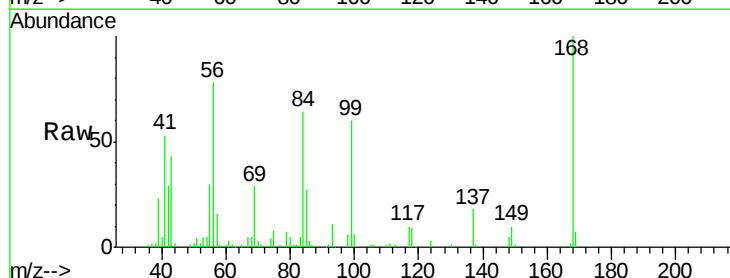
RT: 7.61 min Scan# 1825

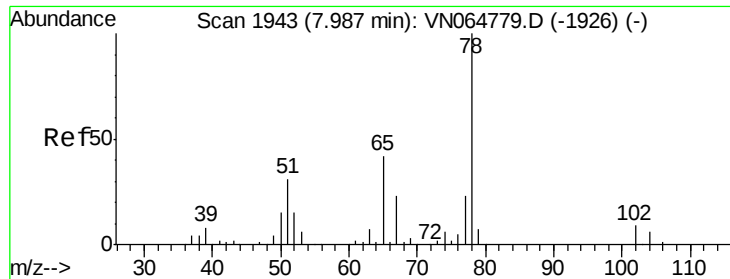
Delta R.T. -0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Tgt Ion:	56	Resp:	90796
Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.5	41.3
84	83.3	73.9	110.9





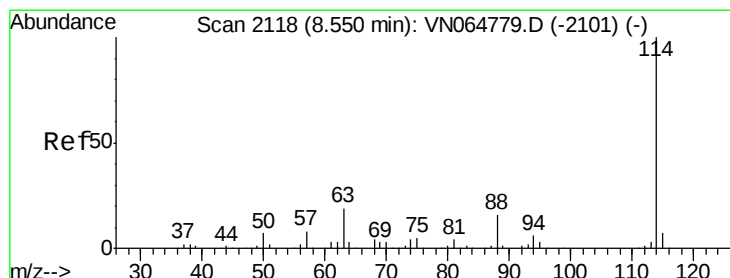
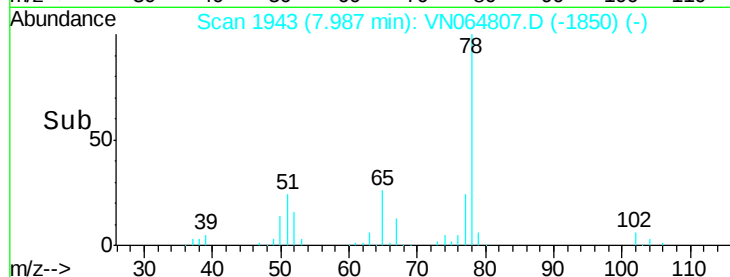
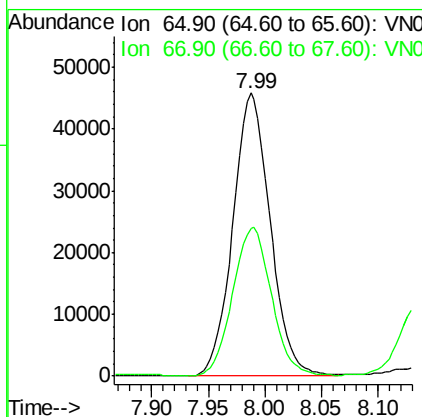
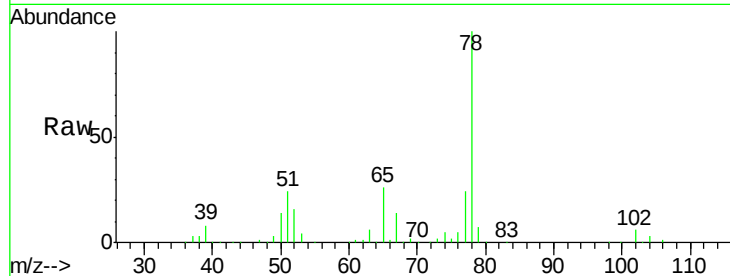
#33
 1,2-Dichloroethane-d4
 Concen: 49.214 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2

Tot Ion	65	Resp	105476
Ion Ratio	100	Lower	Upper
67	54.7	0.0	108.2

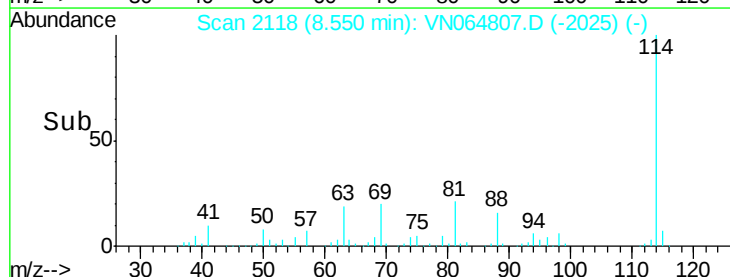
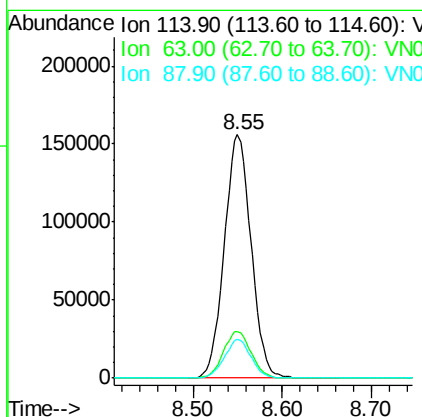
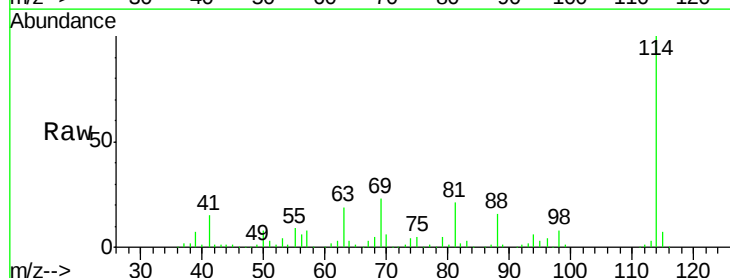
Manual Integrations
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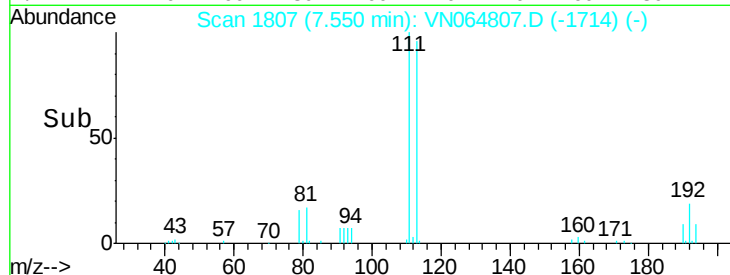
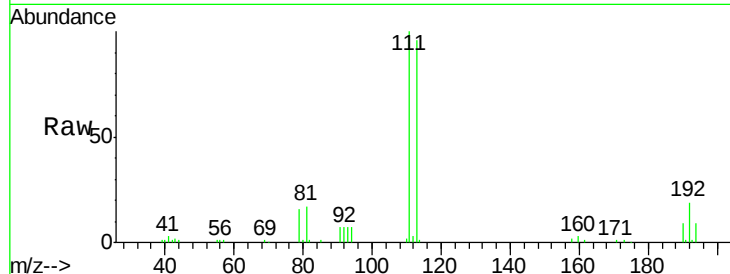
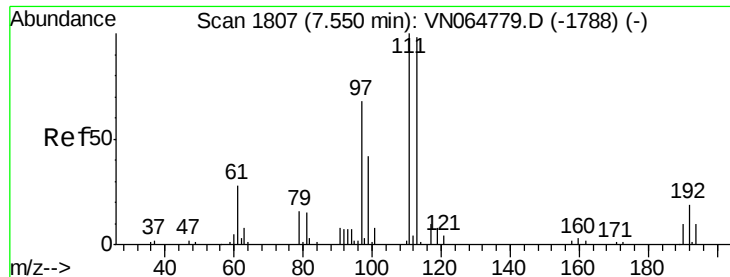
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Tgt Ion	114	Resp	323705
Ion Ratio	100	Lower	Upper
63	19.4	0.0	38.6
88	16.2	0.0	32.6





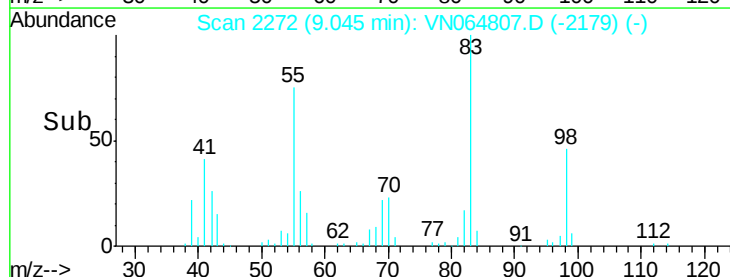
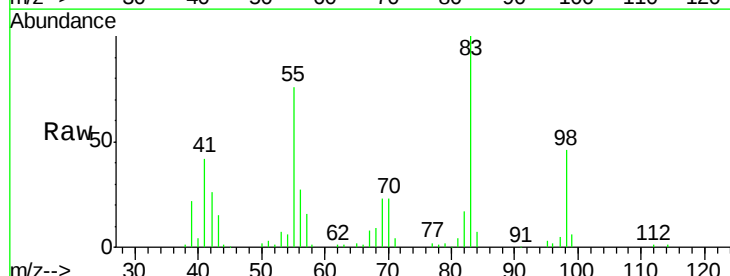
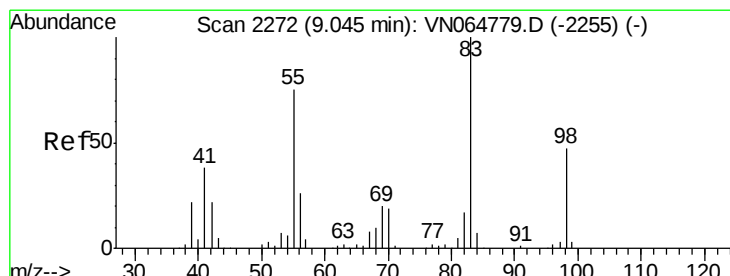
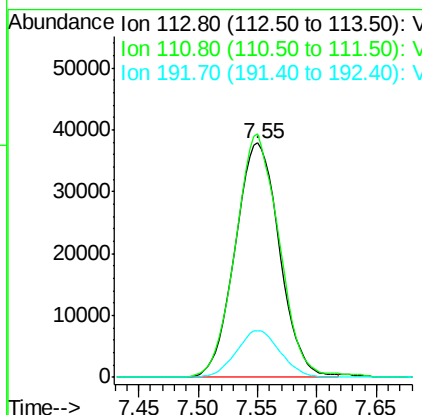
#35
Dibromofluoromethane
Concen: 50.458 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	19.7	16.2	24.2

Instrument :
MSVOA_N
ClientSampled :
MW-2

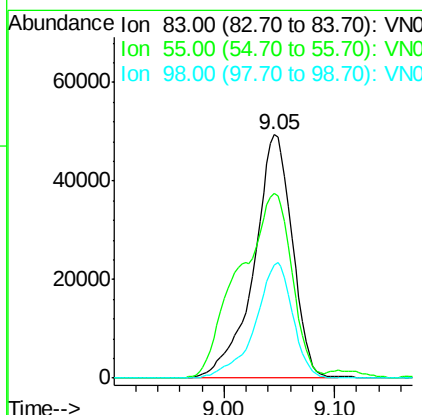
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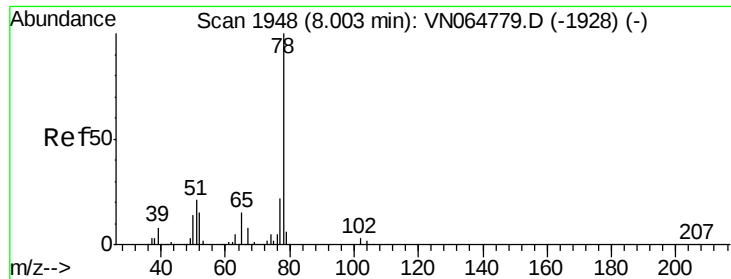
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#39
Methylcyclohexane
Concen: 36.837 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.2	90.2
98	46.5	37.4	56.2





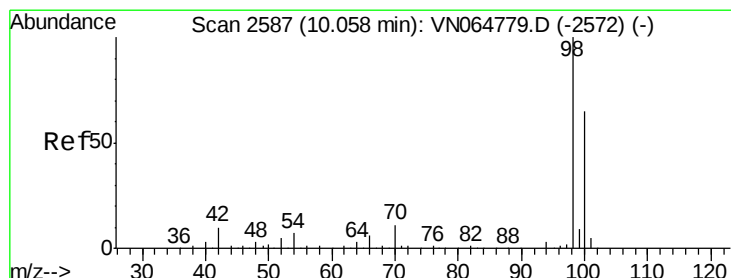
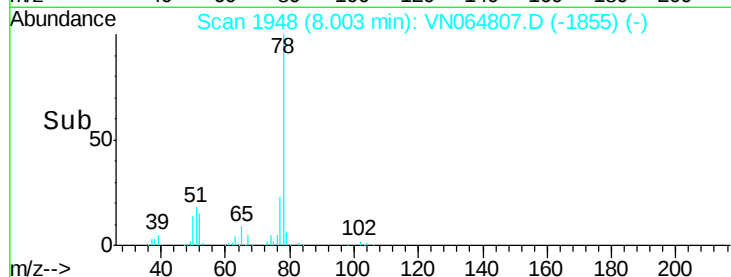
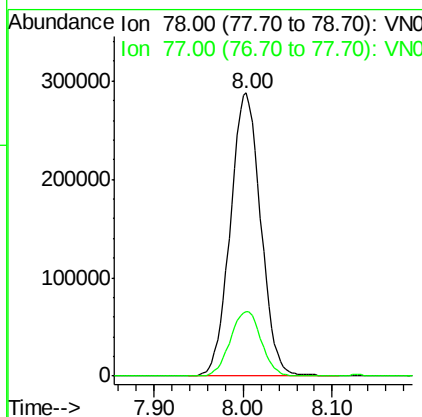
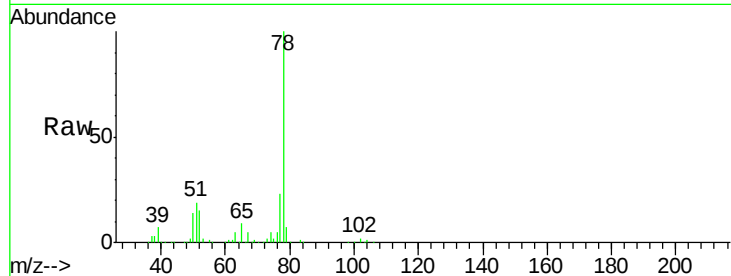
#40
Benzene
Concen: 73.999 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion: 78 Resp: 680376
Ion Ratio Lower Upper
78 100
77 23.0 17.9 26.9

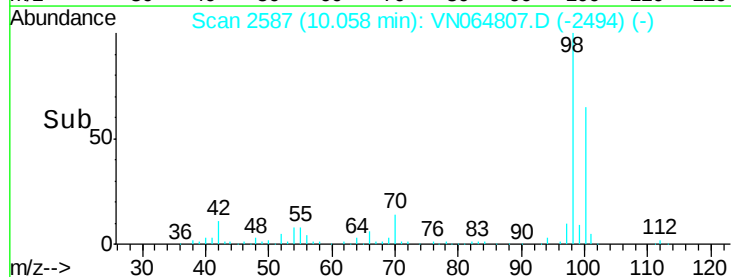
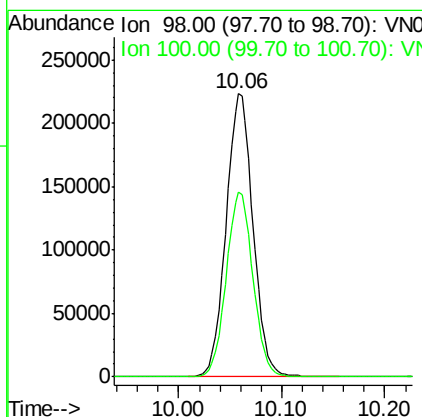
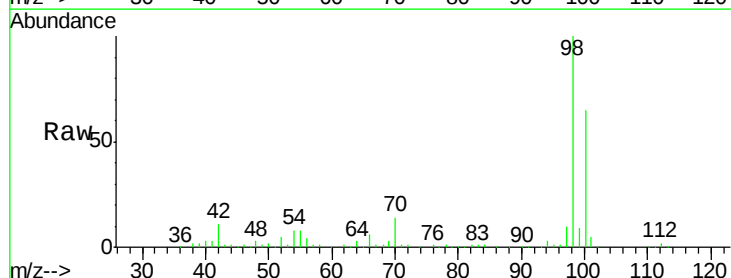
Manual Integrations
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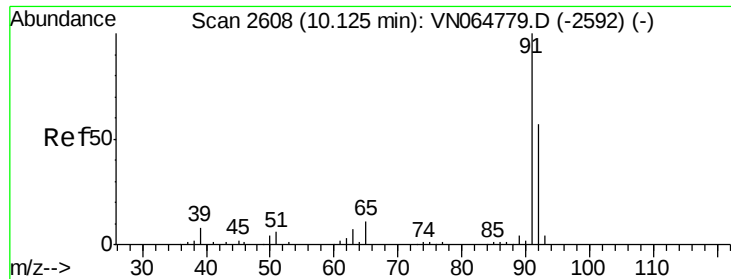
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#50
Toluene-d8
Concen: 51.106 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion: 98 Resp: 404466
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#52

Toluene

Concen: 4.267 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 92 Resp: 24159

Ion Ratio Lower Upper

92 100

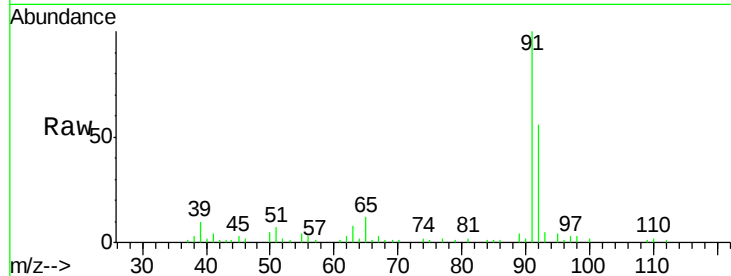
91 178.0 139.1 208.7

Manual Integrations

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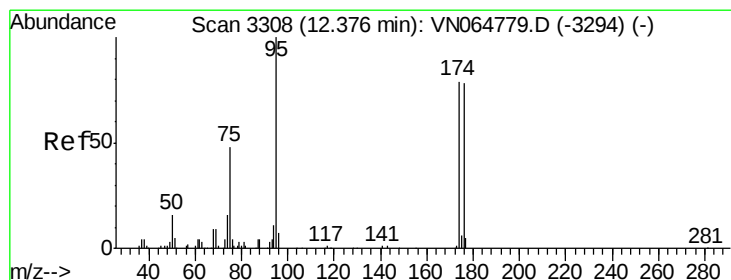
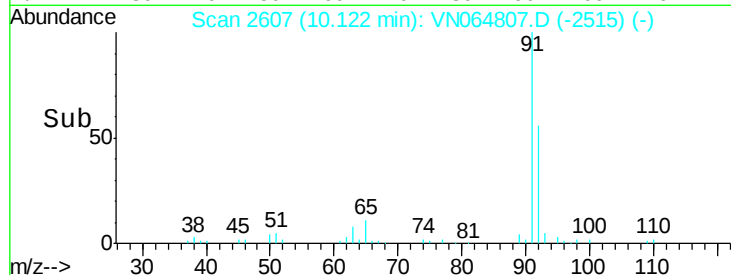
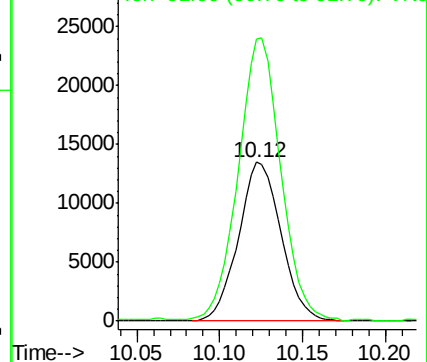
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 59.897 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

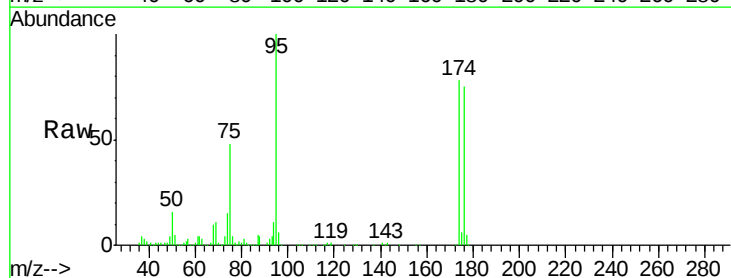
Tgt Ion: 95 Resp: 169650

Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.4

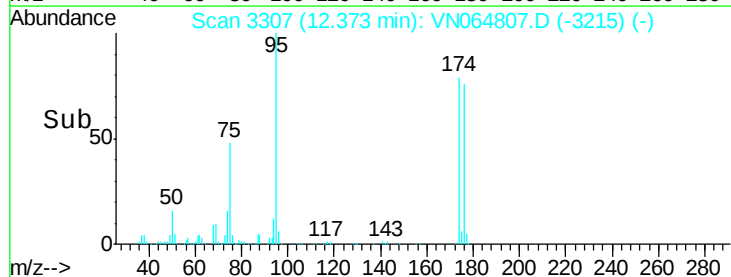
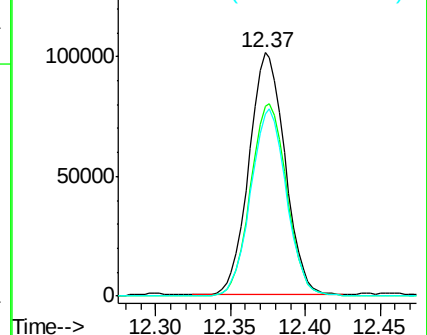
176 76.9 0.0 158.4

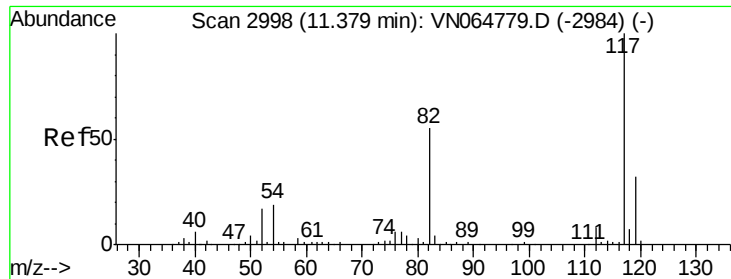


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





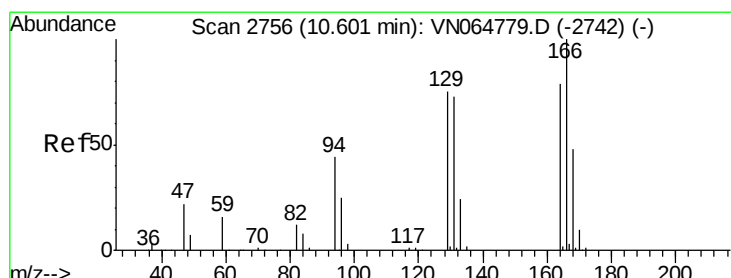
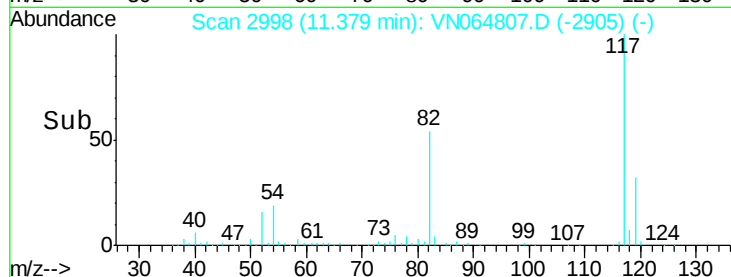
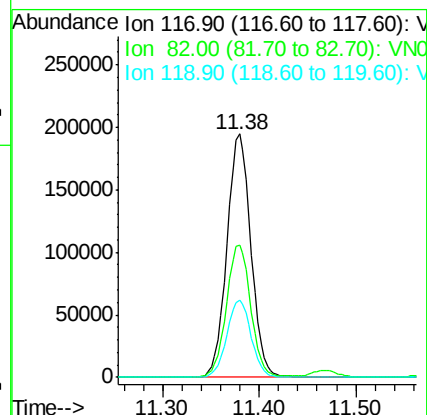
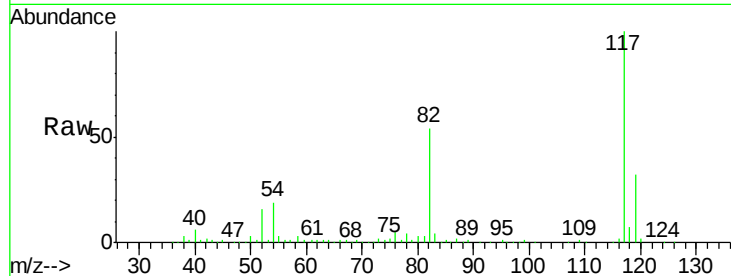
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	31.6	25.8	38.6

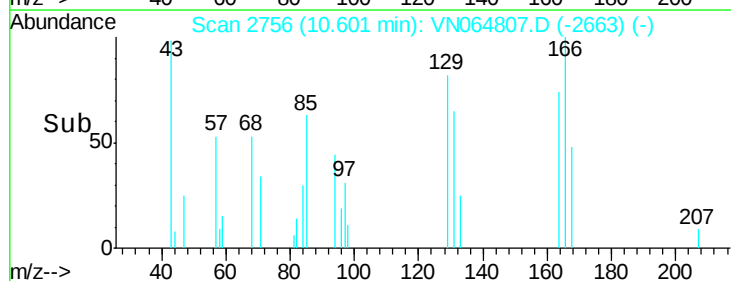
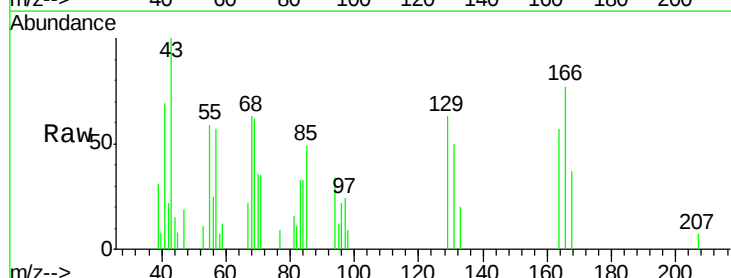
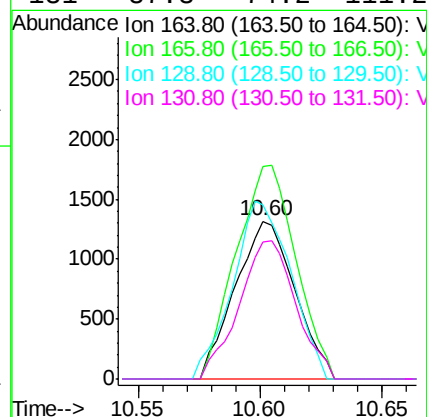
Manual Integrations
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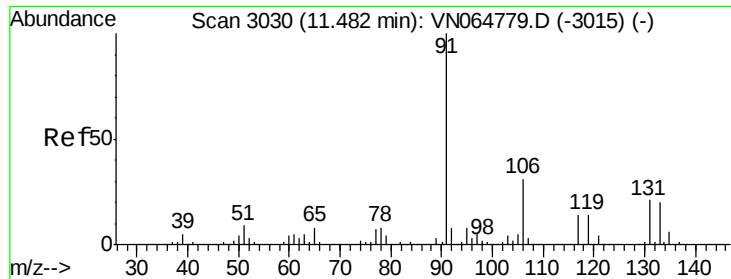
MMDadoda
11/25/2020 3:57:17 PM



#64
Tetrachloroethene
Concen: 0.684 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.0	101.4	152.0
129	110.9	76.1	114.1
131	87.3	74.2	111.2





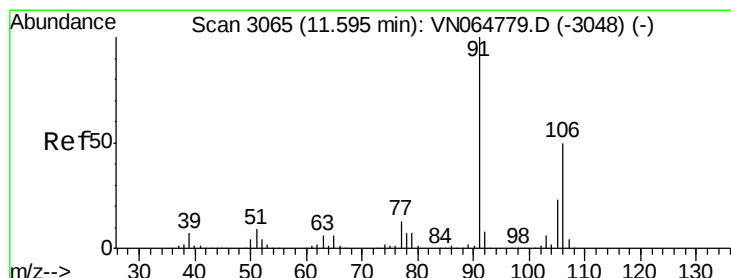
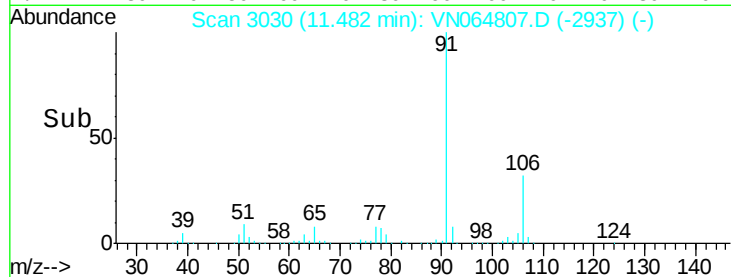
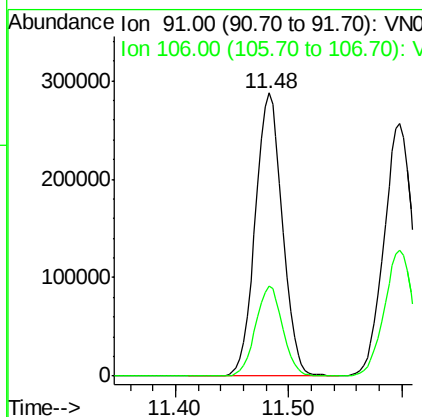
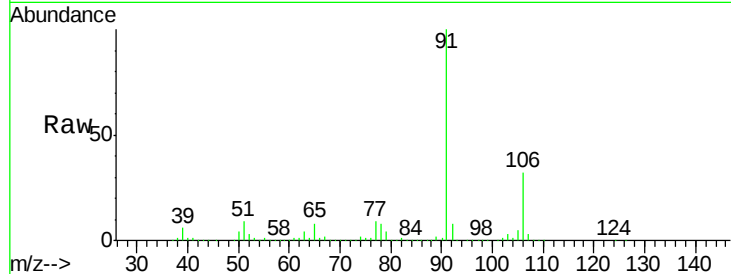
#67
Ethyl Benzene
Concen: 39.869 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion: 91 Resp: 479822
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

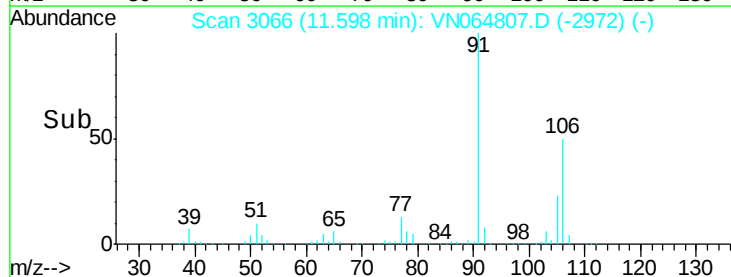
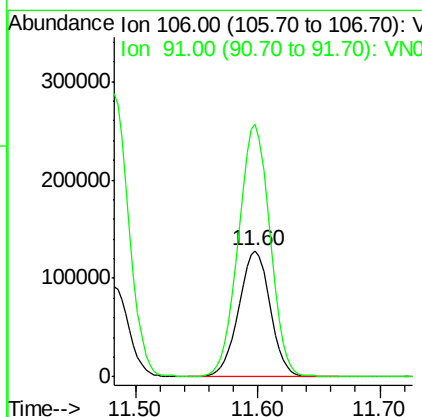
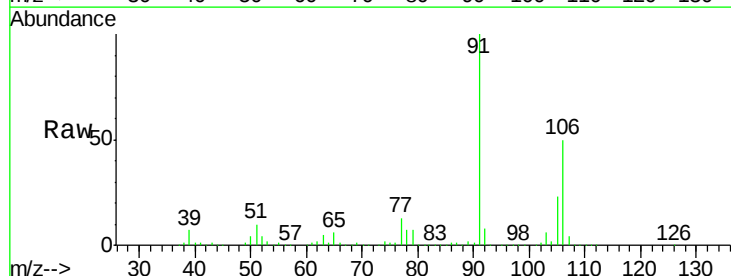
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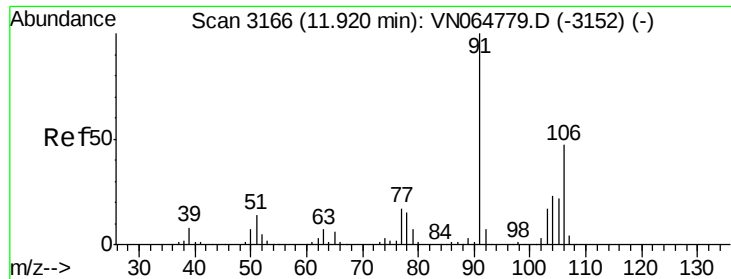
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#68
m/p-Xylenes
Concen: 50.057 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion: 106 Resp: 228089
Ion Ratio Lower Upper
106 100
91 200.7 161.0 241.4





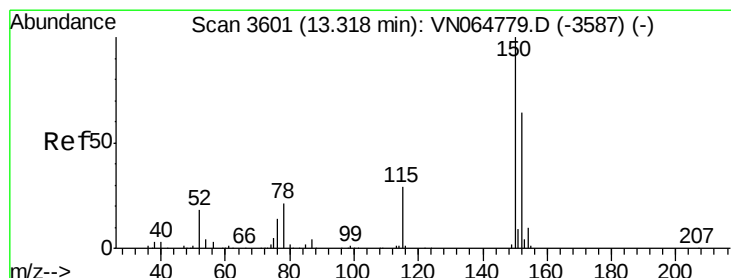
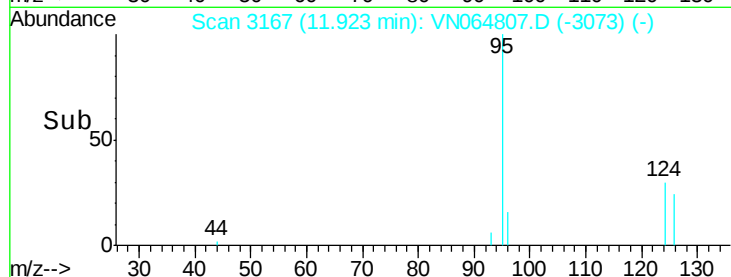
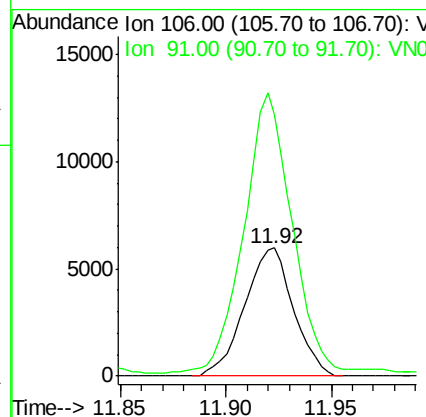
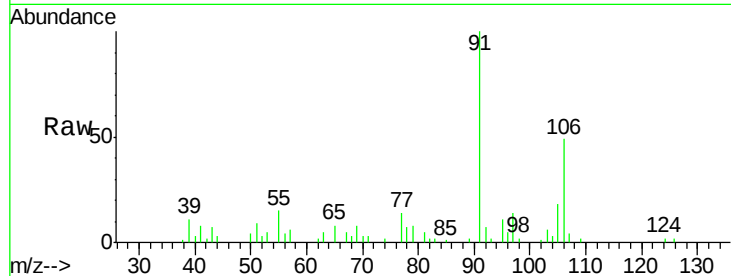
#69
o-Xylene
Concen: 2.216 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampled :
MW-2

Tot Ion:106 Resp: 9581
Ion Ratio Lower Upper
106 100
91 215.3 105.5 316.5

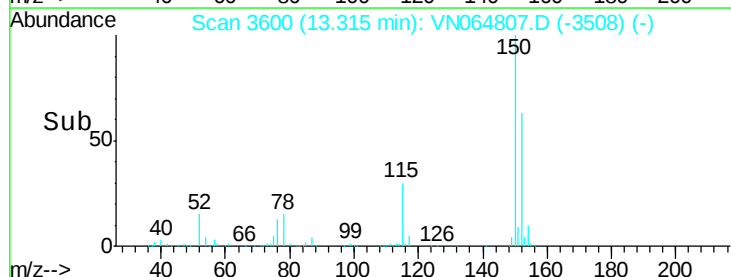
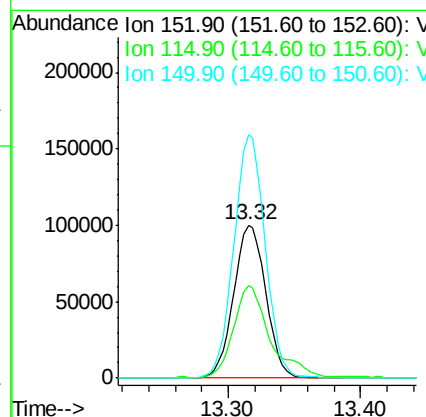
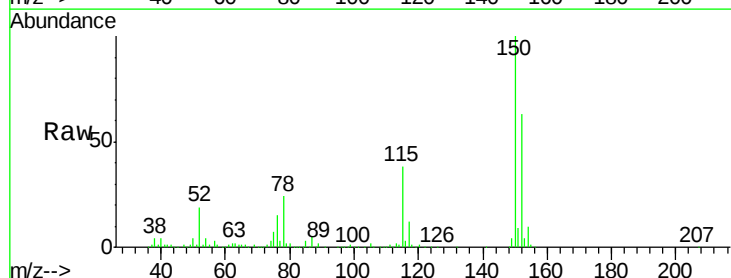
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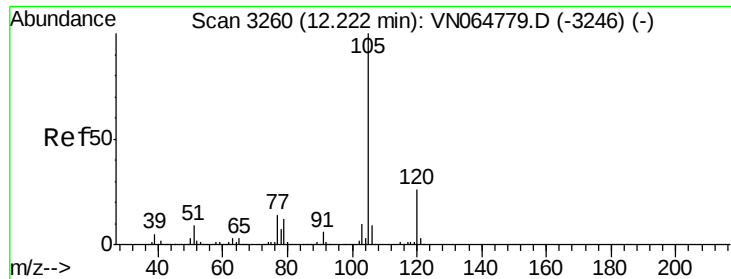
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Tgt Ion:152 Resp: 168755
Ion Ratio Lower Upper
152 100
115 66.8 29.7 89.1
150 155.4 0.0 350.6





#73

Isopropylbenzene

Concen: 21.499 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion: 105 Resp: 252361

Ion Ratio Lower Upper

105 100

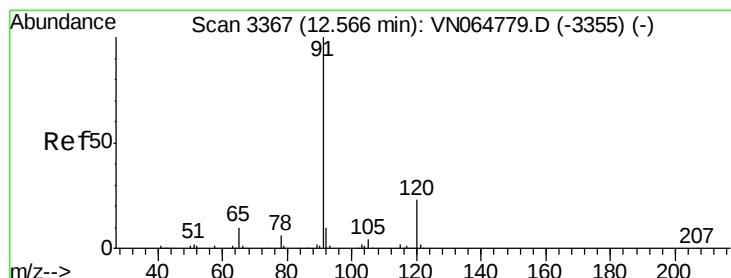
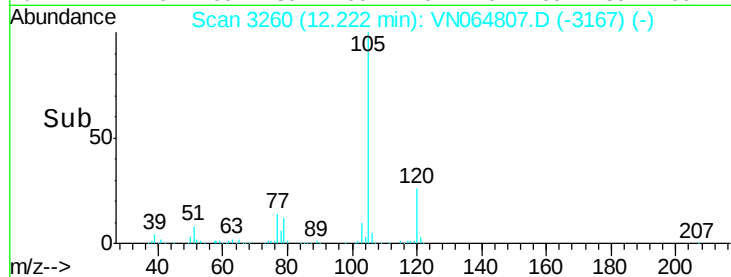
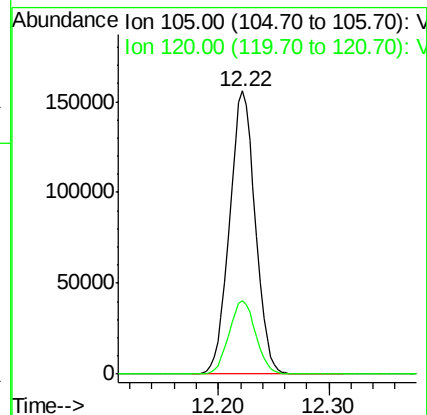
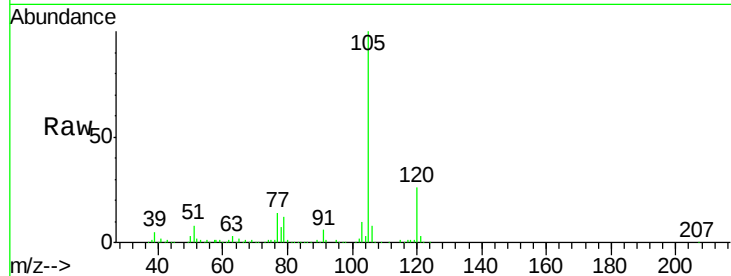
120 26.7 13.3 39.9

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#78

n-propylbenzene

Concen: 37.714 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064807.D

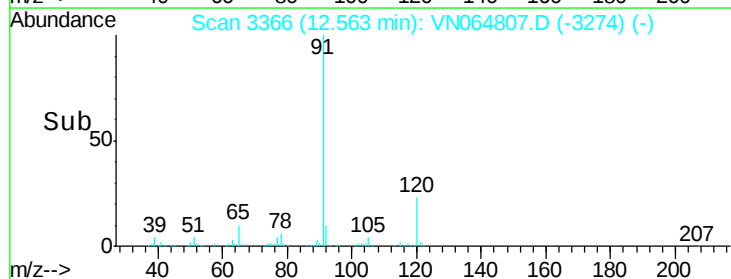
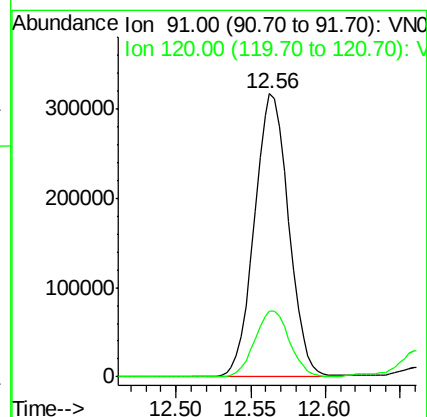
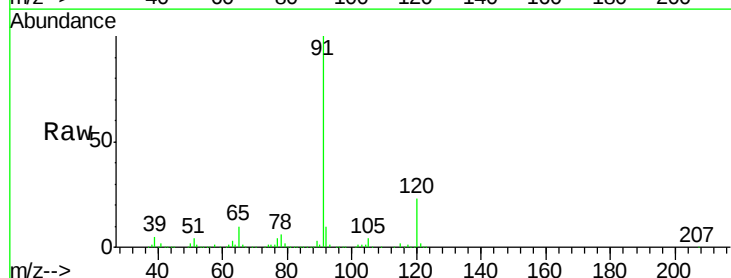
Acq: 24 Nov 2020 13:50

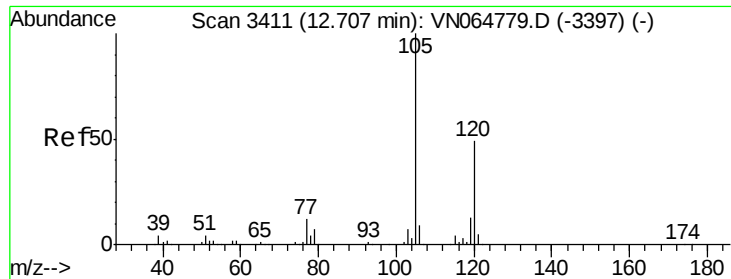
Tgt Ion: 91 Resp: 504308

Ion Ratio Lower Upper

91 100

120 23.7 11.6 34.7





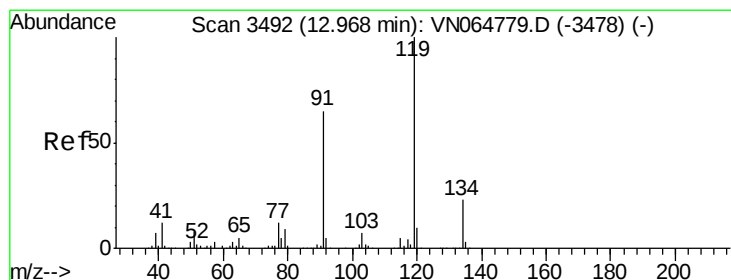
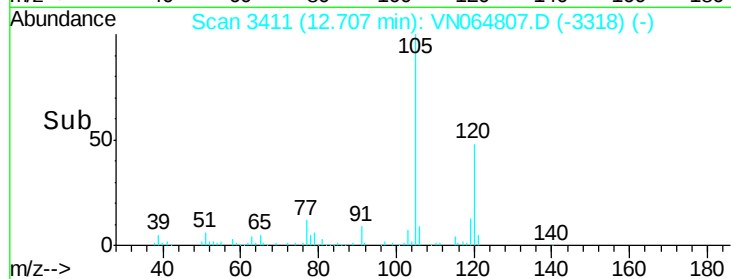
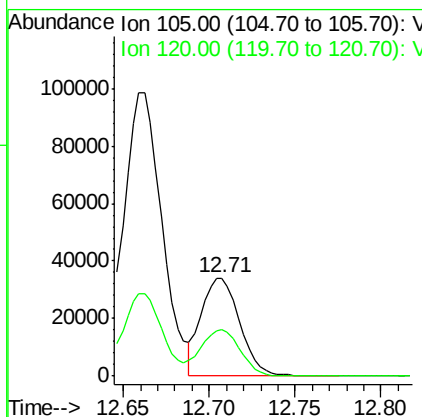
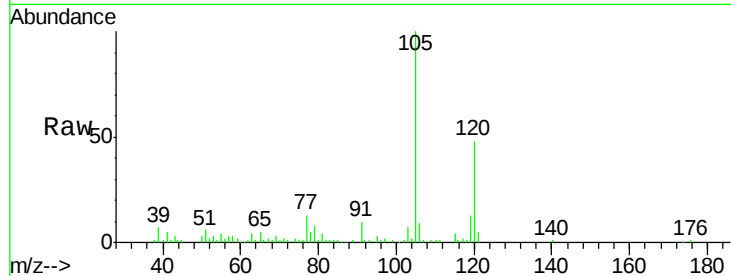
#80
 1,3,5-Trimethylbenzene
 Concen: 5.474 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion:105 Resp: 53405
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.6

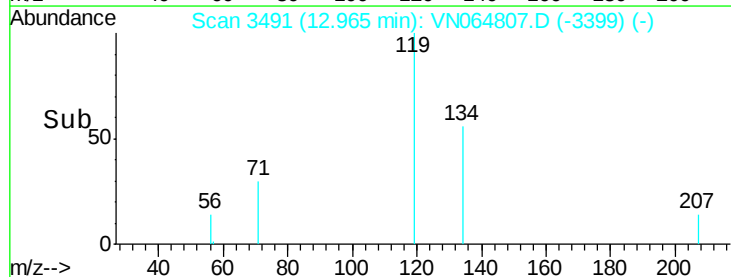
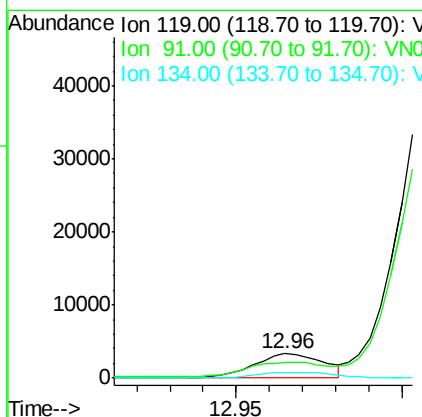
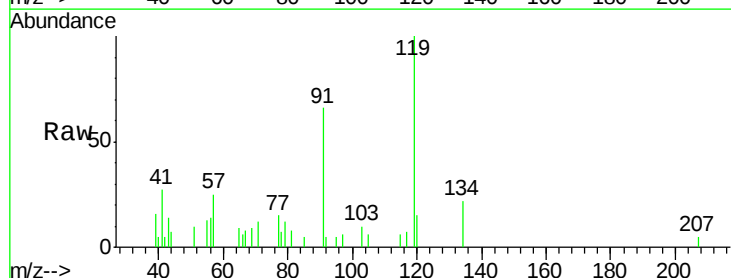
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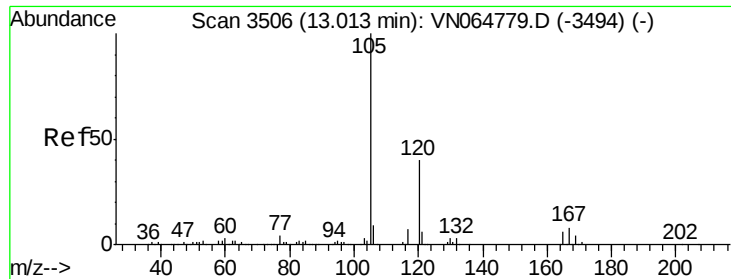
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#83
 tert-Butylbenzene
 Concen: 0.596 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Tgt Ion:119 Resp: 4874
 Ion Ratio Lower Upper
 119 100
 91 65.8 32.3 96.8
 134 24.6 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 66.203 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064807.D

Acq: 24 Nov 2020 13:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

Tot Ion:105 Resp: 653069

Ion Ratio Lower Upper

105 100

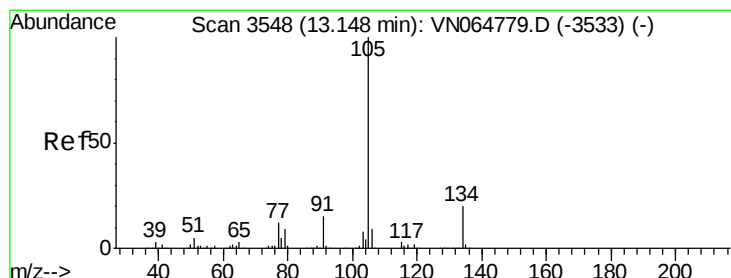
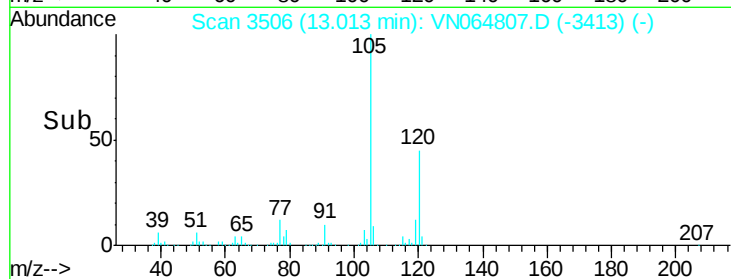
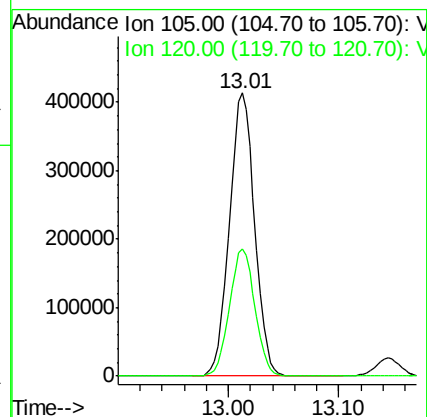
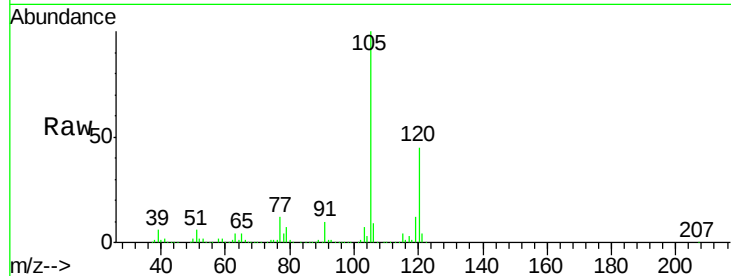
120 45.2 23.1 69.2

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#85

sec-Butylbenzene

Concen: 3.801 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064807.D

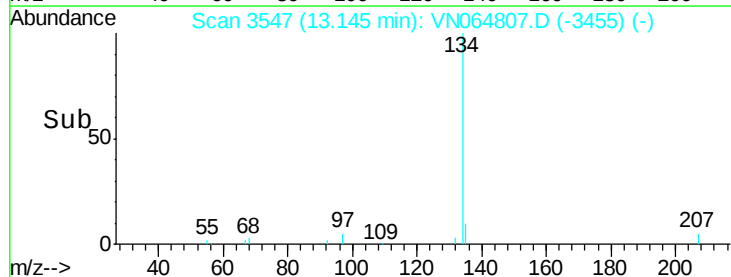
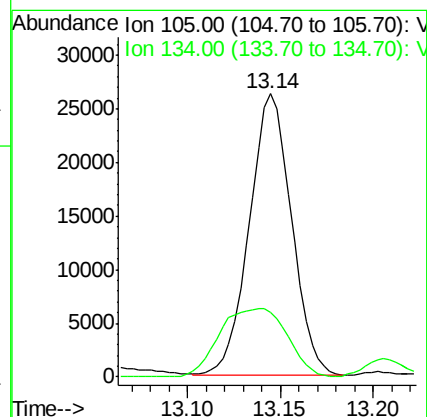
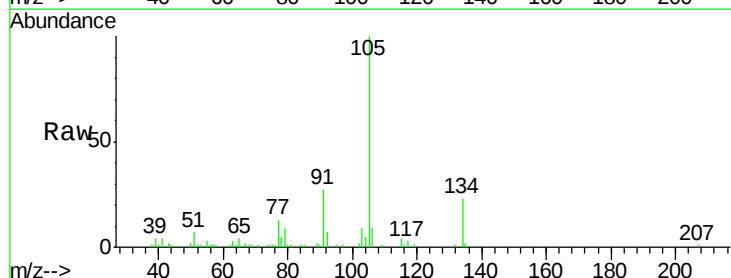
Acq: 24 Nov 2020 13:50

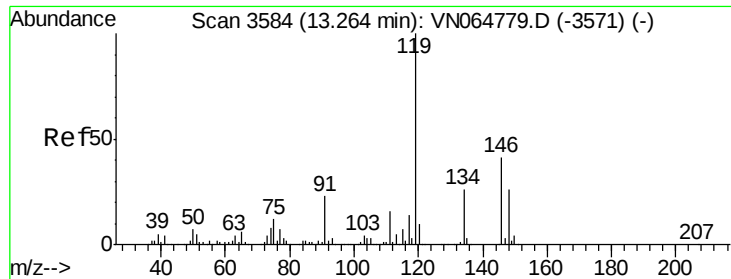
Tgt Ion:105 Resp: 41275

Ion Ratio Lower Upper

105 100

134 38.9 10.1 30.1#





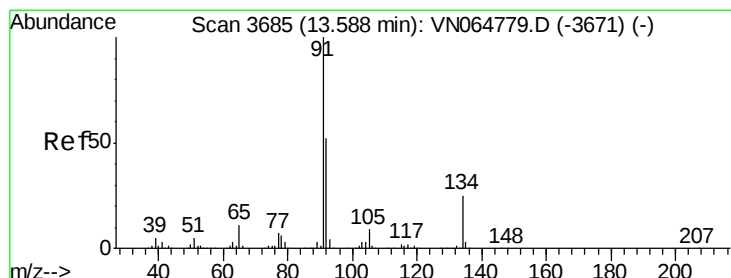
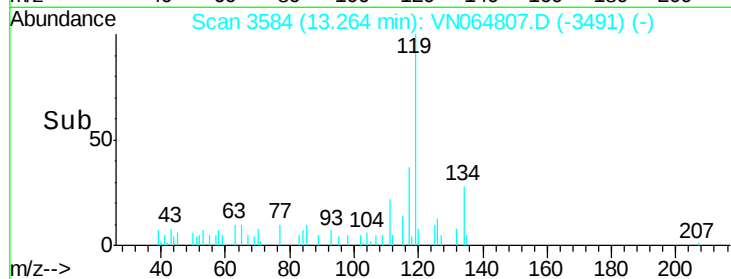
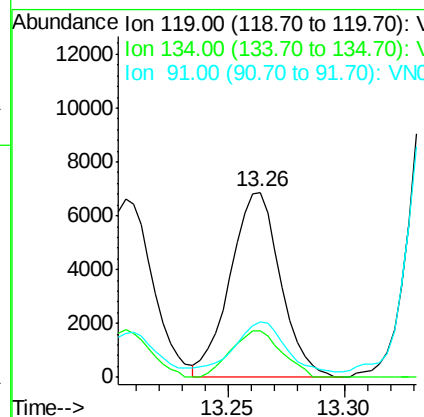
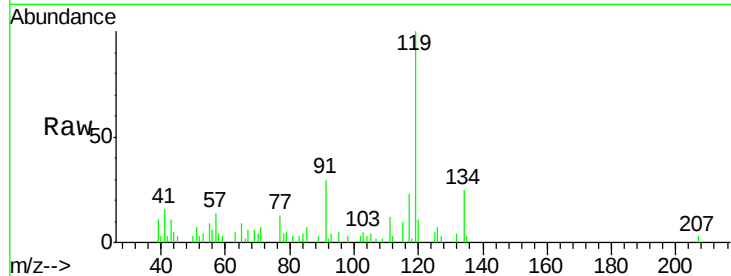
#86
 p-Isopropyltoluene
 Concen: 1.046 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.1	39.1
91	0.0	11.5	34.5#

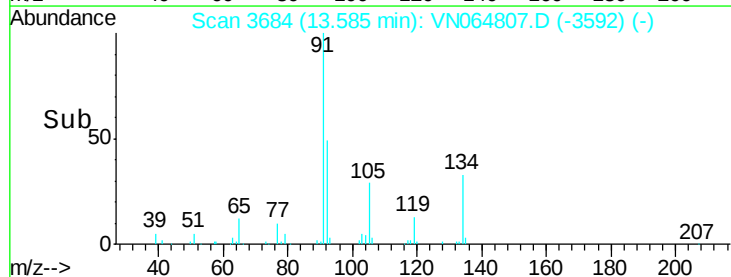
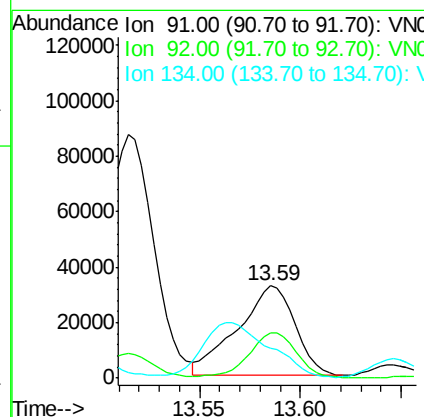
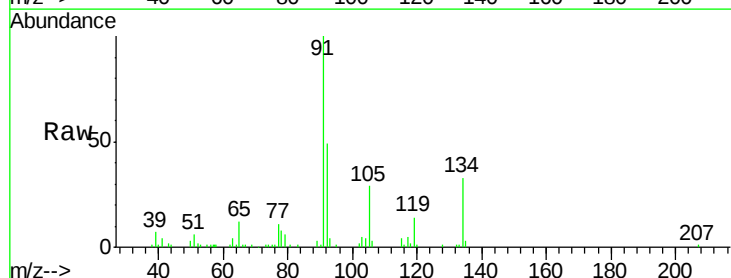
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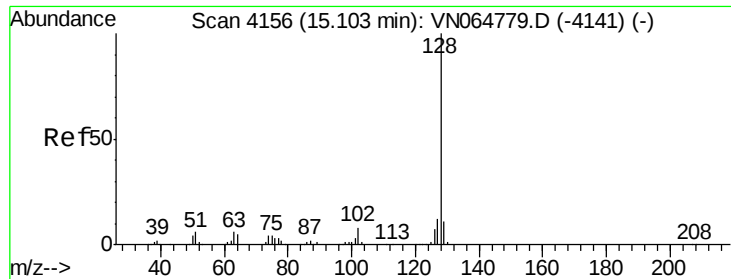
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#89
 n-Butylbenzene
 Concen: 7.411 ug/l
 RT: 13.59 min Scan# 3684
 Delta R.T. -0.00 min
 Lab File: VN064807.D
 Acq: 24 Nov 2020 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	40.9	26.0	78.0
134	0.0	12.9	38.6#





#95
Naphthalene
Concen: 51.128 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064807.D
Acq: 24 Nov 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

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